

## CLAIMS

1. Method for formatting a digital audio signal for controlling at least one electro-acoustic transducer from an original digital signal of an electric sound signal modified into a digital sound signal by copying the original signal at a higher frequency proportional to the copies whose reproduced copies have intensity values different from the original so as to control the mechanical runaway effects of electro-acoustic transducers.

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2. Method according to claim 1, characterised by the phase inversion of the copies which have intensities possibly ranging up to the total phase inversion with respect to the original signal.

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3. Method according to claim (1) or (2) where the newly-formatted digital signal is smoothed for use as an analog signal.

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4. Device for formatting a digital control signal applied directly to the terminals of at least one electro-acoustic transducer from an original signal of a digital recorder or a digital sound medium into a new digital sound audio signal whose original signals are copied and reproduced at higher frequencies created by specific samplers for each of the copied signals, characterised in that the phase and intensity values of the new signals are adjustable by two distinct potentiometers and whose order of action of the samplers (T1, T2, T3, T4) is cyclic and regular and is ensured by an electronic clock (HE).

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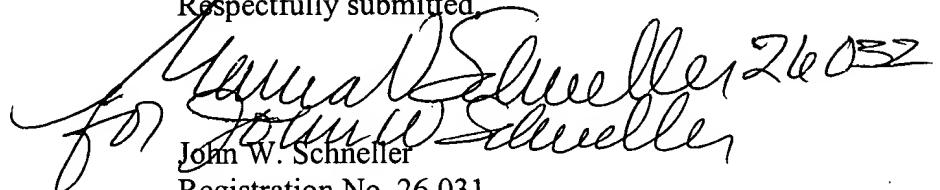
5. Device according to claim (4), characterised in that the frequency of the samplers is proportional to the reproduced number of copies, namely the doubled frequency if there are two copies and quadrupled if there are four copies of the original signal.

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6. Device according to claims (4) or (5), characterised by the addition of a smoothing modem for an analog function.

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Respectfully submitted,



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